1	CLAIM 1.	An integrated cooling device, comprising:			
2		a reservoir configured to contain a liquid coolant;			
3		a pump disposed within said reservoir, said pump being configured to			
4	circulate said	circulate said liquid coolant between said reservoir and a heat source; and			
5		a fan configured to provide a flow of air across said circulating liquid			
6	coolant.				
1	CLAIM 2.	The integrated cooling device of claim 1 wherein said liquid coolant is			
2	circulated through a tubing arrangement.				
1	CLAIM 3.	The integrated cooling device of claim 1 further comprising a motor			
2	disposed within said reservoir, said motor being operably connected to said pump and				
3	said fan.				
1	CLAIM 4.	A cooling unit configured to circulate a liquid coolant, said cooling unit			
2	comprising:				
3		a reservoir configured to contain said liquid coolant;			
4		a tubing arrangement disposed at an outer surface of said reservoir, said			
5	tubing arrang	tubing arrangement being fluidly communicable with a heat exchanging device;			
6		a pump disposed within said reservoir, said pump being configured to			
7	circulate said liquid coolant through said tubing arrangement to said heat exchanging				
8	device; and				
9		a fan configured to provide a flow of air across said tubing arrangement.			
1	CLAIN 5	The cooling unit of claim 4 further commissing a motor disposed within			
1	CLAIM 5.	The cooling unit of claim 4 further comprising a motor disposed within			
2	said reservoi	r, said motor being operably connected to said pump and said fan.			

3

1	CLAIM 6.	The cooling unit of claim 4 wherein said tubing arrangement is coiled over			
2	said outer surface of said reservoir.				
3					
4	CLAIM 7.	The cooling unit of claim 4 wherein said fan is configured to provide a			
5	forced induction of air over said tubing arrangement.				
	CY 1 T 4 O	m v control of the discount of the discount			
1	CLAIM 8.	The cooling unit of claim 4 further comprising a plurality of fins disposed			
2	over said tubing arrangement, said fins extending longitudinally in a direction of said				
3	flow of air across said tubing arrangement.				
1	CLAIM 9.	The cooling unit of claim 8 wherein said fins are tubular in structure.			
ŀ	CLAIM 10.	The cooling unit of claim 9 wherein said tubularly structured fins are open			
2	at the ends thereof, thereby allowing said flow of air to be maintained within said fins.				
1	CLAIM 11.	The cooling unit of claim 8 wherein said fins are fabricated from copper,			
2		s, aluminum, aluminum alloys, and combinations of the foregoing materials.			
1	CLAIM 12.	The cooling unit of claim 8 further comprising a shroud disposed over said			
2	fins.				
1	CLAIM 13.	The cooling unit of claim 12 wherein said shroud defines a primary air			
2	inlet at a lower end thereof.				
1	CLAIM 14.	The cooling unit of claim 12 wherein said shroud includes a secondary air			
2	inlet disposed therein, said secondary air inlet being configured to allow for airflow				

communication between opposing sides of said shroud.

	I	CLAIM 15.	The cooling unit of claim 14 wherein said secondary air inlet is positioned	
•	2	on said shrou	d to register with a space defined by adjacently positioned fins.	
·	1	CLAIM 16.	The cooling unit of claim 14 wherein said secondary air inlet includes an	
<b>r</b> 4	2	air directing tab associated therewith, said air directing tab being configured to channel		
٠.	3	air into said s	secondary air inlet upon a forced induction of air by said fan.	
i.	1	CLAIM 17.	The cooling unit of claim 12 wherein said shroud is fabricated from a	
	2	material selected from the group consisting of plastic, metal, fiberglass, and combinations		
	3	of the foregoing materials.		
Ō .A	1	CLAIM 18.	The cooling unit of claim 4 further comprising a cover disposed over said	
w M U	2	fan.		
UT D	1	CLAIM 19.	The cooling unit of claim 18 wherein said cover comprises,	
	2		a frame, and	
1	3		a plurality of vanes pivotally mounted within said frame, said vanes being	
[1] [1] [1] [1] [1] [1] [1] [1] [1] [1]	4	configured to	rotate into an open position in response to an airflow generated by said fan.	
-	1	CLAIM 20.	A thermal dissipation system, comprising:	
	2		a heat exchanging unit; and	
	3		a cooling unit disposed in fluid communication with said heat exchanging	
	4	unit, said cooling unit comprising,		
	5		a reservoir,	
	6		a pump disposed within said reservoir, said pump being configured to	
	7	circulate a liquid coolant between said reservoir and said heat exchanging unit, and		
	8		a fan configured to remove heat from said liquid coolant.	

- 1 CLAIM 21. The thermal dissipation system of claim 20 wherein said heat exchanging
- 2 unit is a cold plate.
- 1 CLAIM 22. The thermal dissipation system of claim 21 wherein said cold plate is
- 2 disposed in communication with electronic circuitry.
- 1 CLAIM 23. The thermal dissipation system of claim 20 wherein said cooling unit
- further comprises a motor disposed in operable communication with said pump and said
- fan, said motor being disposed within said reservoir.